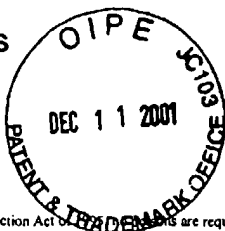


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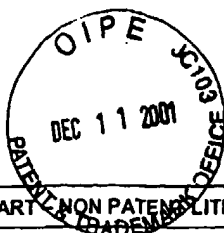
<b>Modified Form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Application Number</b>	09/974,591
	<b>Filing Date</b>	10/9/01
	<b>First Named Inventor</b>	Alsobrook
	<b>Group Art Unit</b>	Not Yet Assigned
	<b>Examiner Name</b>	Not yet assigned
	<b>Attorney Docket Number</b>	15966-654 CIP (Cura-154 CIP)

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	A1						

FOREIGN PATENT DOCUMENTS						
Exam Initials	Cite No.	Foreign Patent Document Office	Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
W	B1	EP	0 867 508 A3	Smithkline Beecham Corporation	09/05/01	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
W	C1	Ben-Arie, N., D. Lancet, et al. (1994). "Olfactory receptor gene cluster on human chromosome 17: possible duplication of an ancestral receptor repertoire." <i>Hum Mol Genet</i> 3(2): 229-35.
	C2	Bird, C. 2000 Direct Submission. GenBank Accession Number: <b>AL049734</b>
	C3	Blache, et al., 1998 "Cloning and tissue distribution of a new rat olfactory receptor-like." <i>Biochem. Biophys. Res. Commun.</i> 242 (3), 669-672. GenBank Accession Number: <b>JC5836</b>
	C4	Blache, P., L. Gros, et al. (1998). "Cloning and tissue distribution of a new rat olfactory receptor-like (OL2)." <i>Biochem Biophys Res Commun</i> 242(3): 669-72.
	C5	Calof, A. L., J. D. Holcomb, et al. (1996). "Factors affecting neuronal birth and death in the mammalian olfactory epithelium." <i>Ciba Found Symp</i> 196: 188-205.
	C6	Corby, 2000 Direct Submission. GenBank Accession Number: <b>AL135841</b>
	C7	Corby, 2000 Direct Submission. GenBank Accession Number: <b>CAB96728</b>
	C8	Corby, N. 2000 "Human DNA sequence from clone RP11-327L3 on chromosome 9p13.1-13.3. Contains a putative novel gene, a PGAM1 (phosphoglycerate mutase 1 (brain)) pseudogene, the gene for a novel 7 transmembrane receptor (rhodopsin family) (olfactory receptor like) protein, an NSEP1 (nuclease sensitive element binding protein 1) (YB1) pseudogene, ESTs, STSs and GSSs. GenBank Accession Number: <b>NP_063950</b>
	C9	Dryer, L. and A. Berghard (1999). "Odorant receptors: a plethora of G-protein-coupled receptors." <i>Trends Pharmacol Sci</i> 20(10): 413-7.
	C10	Hatt, H., G. Gisselmann, et al. (1999). "Cloning, functional expression and characterization of a human olfactory receptor." <i>Cell Mol Biol (Noisy-le-grand)</i> 45(3): 285-91.
	C11	Hoppe, et al., 2000 "Sequence analyses of the olfactory receptor gene cluster mOR37 on mouse chromosome 4." <i>Genomics</i> 66 (3), 284-295. GenBank Accession Number: <b>AJ251155</b>
	C12	Hoppe, et al., 2000 "Sequence analyses of the olfactory receptor gene cluster mOR37 on mouse chromosome 4." <i>Genomics</i> 66 (3), 284-295. GenBank Accession Number: <b>CAB96147</b>
W	C13	Lane, et al., 2000 "Genomic Analysis of Orthologous Mouse and Human Olfactory Receptor Loci Indicates Cluster Stability Yet Minimal Conservation Beyond the Coding Sequence." Direct Submission. GenBank Accession Number: <b>AAG45201</b>

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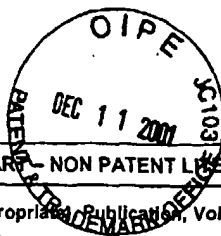
OTHER PRIOR ART, NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
W	C14	Lane, et al., 2000 "Genomic Analysis of Orthologous Mouse and Human Olfactory Receptor Loci Indicates Cluster Stability Yet Minimal Conservation Beyond the Coding Sequence." Direct Submission. GenBank Accession Number: <b>AAG45204</b>
	C15	Lane, et al., 2000 "Genomic Analysis of Orthologous Mouse and Human Olfactory Receptor Loci Indicates Cluster Stability Yet Minimal Conservation Beyond the Coding Sequence." Direct Submission. GenBank Accession Number: <b>AF321237</b>
	C16	Lane, et al., 2000 "Genomic Analysis of Orthologous Mouse and Human Olfactory Receptor Loci Indicates Cluster Stability Yet Minimal Conservation Beyond the Coding Sequence." Direct Submission. GenBank Accession Number: <b>AAG45196</b>
	C17	Malnic, et al., 1999 "Combinatorial receptor codes for odors." Cell 96 (5), 713-723. GenBank Accession Number: <b>AAD27592</b>
	C18	Malnic, et al., 1999 "Combinatorial receptor codes for odors." Cell 96 (5), 713-723. GenBank Accession Number: <b>NP_064684</b>
	C19	Marchis, S. D., C. Modena, et al. (2000). "Carnosine-related dipeptides in neurons and glia." <u>Biochemistry (Mosc)</u> 65(7): 824-33.
	C20	Menini, A. (1999). "Calcium signalling and regulation in olfactory neurons." <u>Curr Opin Neurobiol</u> 9(4): 419-26.
	C21	Nakamura, T. (2000). "Cellular and molecular constituents of olfactory sensation in vertebrates." <u>Comp Biochem Physiol A Mol Integr Physiol</u> 126(1): 17-32.
	C22	Pilpel, Y., A. Sosinsky, et al. (1998). "Molecular biology of olfactory receptors." <u>Essays Biochem</u> 33: 93-104.
	C23	Raming, 1993 "Cloning and expression of odorant receptors." <u>Nature</u> 361 (6410), 353-356. GenBank Accession Number: <b>S29711</b>
	C24	Rouquier, 2000 "The olfactory receptor gene repertoire in primates and mouse: evidence for reduction of the functional fraction in primates." <u>Proc. Natl. Acad. Sci. U.S.A.</u> 97 (6), 2870-2874. GenBank Accession Number: <b>AAF40368</b>
	C25	Rouquier, et al., 1998 "Distribution of olfactory receptor genes in the human genome." <u>Nature Genet.</u> 18 (3), 243-250. GenBank Accession Number: <b>AAC39611</b>
	C26	Schurmans, S., F. Muscatelli, et al. (1993). "The OLFR1 gene encoding the HGMP07E putative olfactory receptor maps to the 17p13-->p12 region of the human genome and reveals an MspI restriction fragment length polymorphism." <u>Cytogenet Cell Genet</u> 63(3): 200-4.
	C27	Smith, S. 1999 Direct Submission. GenBank Accession Number: <b>CAB42853</b>
	C28	Strotmann, et al., 1992 "Expression of odorant receptors in spatially restricted subsets of chemosensory neurons." <u>Neuroreport</u> 3 (12), 1053-1056. GenBank Accession Number: <b>AAB25299</b>
	C29	Strotmann, et al., 1999 "Small subfamily of olfactory receptor genes: structural features, expression pattern and genomic organization." <u>Gene</u> 236 (2), 281-291. GenBank Accession Number: <b>NP_062359</b>
	C30	Strotmann, et al., 1999 "Small subfamily of olfactory receptor genes: structural features, expression pattern and genomic organization." <u>Gene</u> 236 (2), 281-291. GenBank Accession Number: <b>CAB55597</b>
	C31	Strotmann, et al., 1999 "Small subfamily of olfactory receptor genes: structural features, expression pattern and genomic organization." <u>Gene</u> 236 (2), 281-291. GenBank Accession Number: <b>AJ133424</b>
	C32	Walensky, et al., 1998 "Two novel odorant receptor families expressed in spermatids undergo 5'-splicing." <u>J. Biol. Chem.</u> 273 (16), 9378-9387. GenBank Accession Number: <b>AAC17222</b>
	C33	Whitaker, H. 2000 "Human DNA sequence from clone 994E9 on chromosome 6p21.31-22.2 Contains an RPS17 (40S Ribosomal Protein S17) pseudogene, the gene for MAS-related G protein-coupled receptor MRG, a pseudogene similar to MAS proto-oncogene, a diubiquitin pseudogene, four novel 7 transmembrane receptor (rhodopsin family) (olfactory receptor like) protein genes and one pseudogene. Contains ESTs and GSSs. GenBank Accession Number: <b>NP_039225</b>
	C34	Corby, N. (1999). Direct Submission, EMBL Database Accession No.: <b>AL133410</b> .
	C35	Strotmann, J. et al. (1999). <u>Gene</u> 236: 281-291.
	C36	Strotmann, J. et al. (1999). <u>Gene</u> 236: 181-191. EMBL Database Accession No.: <b>Q9QZ18</b> .

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
W	C37	<del>Partial International Search Report, issued September 18, 2001.</del> <b>CONSIDERED DO NOT PRINT</b> W

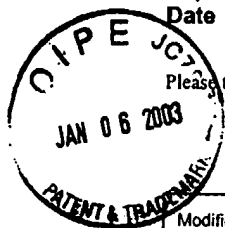
\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number	09/974,591
Filing Date	10/9/01
First Named Inventor	Alsobrook, II
Group Art Unit	1642
Examiner Name	Not yet assigned
Attorney Docket Number	15966-654 CIP (Cura-154 CIP)

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**U.S. PATENT DOCUMENTS**

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	A1						

**FOREIGN PATENT DOCUMENTS**

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes	No
W	B2	WO 01/57215	CuraGen Corporation	09/08/01		
	B3	WO 01/57085	Incyte Genomics	09/08/01		
	B4	WO 01/27158	Digiscents	19/04/01		
	B5	WO 01/68805	Senomyx, Inc.	20/09/01		
	B6	WO 02/24726	Chemcom, S.A.	28/03/02		
	B7	WO 00/21985	Genset	20/04/00		

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
W	C38	Rouquier, S. et al. 2000 "The olfactory receptor gene repertoire in primates and mouse: evidence for reduction of the functional fraction in primates." <u>Proc. Natl. Acad. Sci. U.S.A.</u> 97 (6), 2870-2874.
	C39	Rouquier, S. et al. 2000 "The olfactory receptor gene repertoire in primates and mouse: evidence for reduction of the functional fraction in primates." <u>Proc. Natl. Acad. Sci. U.S.A.</u> 97 (6), 2870-2874. GenBank Accession Number <b>AF179792</b>
	C40	Rouquier, S. et al. 2000 "The olfactory receptor gene repertoire in primates and mouse: evidence for reduction of the functional fraction in primates." <u>Proc. Natl. Acad. Sci. U.S.A.</u> 97 (6), 2870-2874. GenBank Accession No. <b>Q9N1K1</b>
	C41	Bellenson, J. et al. 2001 Human olfactory receptor polynucleotide, SEQ ID NO: 648. GenBank Accession No. <b>AAH32075</b>
	C42	Bellenson, J. et al. 2001 Human olfactory receptor polynucleotide, SEQ ID NO: 648. GenBank Accession No. <b>AAG71899</b>
	C43	Gilad, Y. et al. 2000 "Dichotomy of single nucleotide polymorphism haplotypes in olfactory receptor genes and pseudogenes." <u>Nature Genetics</u> 26(2): 221-24.
	C44	Krishna, N.S.R. et al. 1992 "Glutathione and gamma-glutamyl transpeptidase are differentially distributed in the olfactory mucosa of rats." <u>Cell and Tissue Res.</u> 270(3): 475-84.
	C45	Fuchs, T. et al. 2001 Direct Submission. GenBank Accession No. <b>AF399603</b>
	C46	Fuchs, T. et al. 2001 Direct Submission. GenBank Accession No. <b>Q96R40</b>
	C47	<del>Partial International Search Report, issued November 20, 2002.</del>

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Attorney Docket No. 21402-654CIP (Cura-154CIP)

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application,  
Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under  
35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

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